

What is claimed is:

1. A method of digitally producing a composite image that comprises a plurality of subcomponent images, comprising the steps of:
  - a. defining a length and a width of each of a plurality of discrete digital subcomponent entities to equal the length and width of individual substrates to be printed upon;
  - b. defining a length and a width of a composite image;
  - c. defining at least one width of assembly spacing that is required to be present between each of said plurality of discrete digital subcomponent entities;
  - d. sizing a digital image to comprise a length and width that is equal to a length and width of said composite image;
  - e. decomposing said digital image into said plurality of discrete digital subcomponent entities, wherein each of said plurality of discrete digital subcomponent entities has a length and width as defined, and wherein a sum of said plurality of discrete digital subcomponent entities plus a sum of widths of assembly spacing that is required between each of said plurality of discrete digital subcomponent entities equals said length and width of said digital image;
  - f. tendering said plurality of discrete digital subcomponent entities to a printer; and
  - g. printing each of said plurality of discrete digital subcomponent entities upon a corresponding substrate of said individual substrates by

means of said printer, to produce a plurality of discrete printed subcomponent entities.

2. A method of digitally printing a composite image that comprises a plurality of subcomponent images as described in Claim 1, further comprising the step of assembling said plurality of discrete printed subcomponent entities according to said composite image.
3. A method of digitally printing a composite image that comprises a plurality of subcomponent images as described in Claim 1, further comprising the step of printing sub-component orientation marks onto said substrate.
4. A method of digitally producing a composite image that comprises a plurality of subcomponent images, comprising the steps of:
  - a. defining a length and a width of each of a plurality of discrete digital subcomponent entities to equal the length and width of each of individual substrates;
  - b. defining a length and a width of a composite image;
  - c. defining at least one width of assembly spacing that is required to be present between each of said plurality of discrete digital subcomponent entities;
  - d. sizing a digital image to comprise a length and width that is equal to a length and width of said composite image;

- e. decomposing said digital image into said plurality of discrete digital subcomponent entities, wherein each of said plurality of discrete digital subcomponent entities has a length and width as defined, and wherein a sum of said plurality of discrete digital subcomponent entities plus a sum of widths of assembly spacing that is required between each of said plurality of discrete digital subcomponent entities equals said length and width of said digital image;
- f. tendering said plurality of discrete digital subcomponent entities to a printer;
- g. printing each of said plurality of discrete digital subcomponent entities upon at least one substrate by means of said printer, to produce a plurality of discrete printed subcomponent entities; and
- h. transferring each of said plurality of discrete printed subcomponent entities from said at least one substrate to a corresponding substrate of each of said individual substrates to produce a plurality of discrete transferred subcomponent entities.

- 5. A method of digitally printing a composite image that comprises a plurality of subcomponent images as described in Claim 4, further comprising the step of assembling said plurality of discrete transferred subcomponent entities according to said composite image.

6. A method of digitally printing a composite image that comprises a plurality of subcomponent images as described in Claim 4, further comprising the step of printing sub-component orientation marks onto said at least one substrate.